

Notice of Allowability

Application No.

10/753,876

Examiner

Shelby Fidler

Applicant(s)

KOBAYASHI ET AL.

Art Unit

2861

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/24/2006.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with C. Lamont Whitham on 10/23/2006.

The application has been amended as follows:

Regarding claim 1:

On line 5, replaced "medium ina first" with "medium in a first"

Allowable Subject Matter

Claims 1-10 are allowed.

Claims 1 and 2 are allowable. Claims 1 and 2 are allowable since the prior art of record does not teach an inkjet device comprising a data generating unit that generates both ejection data and timing control data from pattern data, the timing control data being generated for each of the plurality of lines in combination with other features and limitations of claim 1.

Claims 3-5 are allowable. Claims 3-5 are allowable since the prior art of record does not teach an inkjet device comprising a data generating unit that generates both ejection data and timing control data from pattern data, the timing control data being generated for each of the plurality of lines in combination with other features and limitations of claim 3.

Claims 6, 7, and 9 are allowable. Claims 6, 7, and 9 are allowable since the prior art of record does not teach a method of controlling an inkjet device comprising the step of generating

Art Unit: 2861

ejection data and timing control data from pattern data, the timing control data being generated for each of the plurality of lines in combination with other features and limitations of claim 6.

Claim 8 is allowable. Claim 8 is allowable since the prior art of record does not teach a control method for controlling an inkjet device comprising the step of generating ejection data and timing control data from pattern data, the timing control data being generated for each of the plurality of lines defined on the medium in combination with other features and limitations of claim 8.

Claim 10 is allowable. Claim 10 is allowable since the prior art of record does not teach an inkjet device comprising a data generating unit that generates both ejection data and timing control data from pattern data, the timing control data being generated for each of the plurality of lines and include drive-waveform generating timing data and ejection-data transfer timing data in combination with other features and limitations of claim 10.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Huang (US 7031557 B2) discloses a structure capable of reducing the amount of transferred image data by comparing image data between two registers containing consecutive image data lines, and enabling flags for each data address position that is to be updated so as to determine the image data to be transferred. Kaburagi et al. (US 6027197) disclose synchronizing a recording timing signal with the scan of the recording head such that mask data set in registers is selected in accordance with a scan count.

Art Unit: 2861

Communication with the USPTO

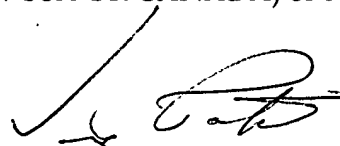
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shelby Fidler whose telephone number is (571) 272-8455. The examiner can normally be reached on MWF 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vip Patel can be reached on (571) 272-2458. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

 10/23/06

Shelby Fidler
Patent Examiner
AU 2861



Vip Patel
Supervisory Examiner
AU 2861